

INTERNATIONAL SEARCH REPORT

Intr. Application No.
PL B2004/052402

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04R9/06 H04Q7/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04R H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 03, 27 February 1998 (1998-02-27) -& JP 09 307955 A (FUNAI DENKI KENKYUSHO:KK), 28 November 1997 (1997-11-28)	1,2,4-6
A	the whole document	3
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 13, 5 February 2001 (2001-02-05) & JP 2000 298485 A (CITIZEN ELECTRONICS CO LTD), 24 October 2000 (2000-10-24) abstract	3,5
	----- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

4 February 2005

Date of mailing of the international search report

11/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Gerken, S

INTERNATIONAL SEARCH REPORT

Int	onal Application No
P.	IB2004/052402

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/51183 A (KONINKLIJKE PHILIPS ELECTRONICS N.V; MUEHLBERGER, ANDREAS) 27 June 2002 (2002-06-27) cited in the application abstract; figure 1	1
A	----- US 6 243 472 B1 (BILAN FRANK ALBERT ET AL) 5 June 2001 (2001-06-05) cited in the application abstract; figures 2,15 -----	1

INTERNATIONAL SEARCH REPORT

Int'l Application No

PCT/IB2004/052402

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 09307955	A	28-11-1997	NONE	
JP 2000298485	A	24-10-2000	NONE	
WO 0251183	A	27-06-2002	CN 1404702 T EP 1247410 A1 WO 0251183 A1 JP 2004516763 T US 2003003958 A1	19-03-2003 09-10-2002 27-06-2002 03-06-2004 02-01-2003
US 6243472	B1	05-06-2001	AU 9484498 A WO 9914980 A2	05-04-1999 25-03-1999